SRM UNIVERSITY-AP

Introduction to Programming Using C
Project Synopsis on

"Hospital Management System"

submitted in partial fulfilment for the award of the degree in

BACHELOR OF TECHNOLOGY

IN

COMPUTER SCIENCE AND ENGINEERING

Submitted by
Group 18

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Chapter 1
Abstract

The purpose of the project entitled as "Hospital Management System " is to computerize the Front Office Management of Hospital to develop software, which is user friendly, simple, fast, and cost – effective.

 It deals with the collection of patient's information like add patient, update patient, delete patient, search patient, view patient diagnosis, etc.

Traditionally, it was done manually. The main function of the system is to register and store patient details and doctor details and retrieve these details as and when required, and also to manipulate these details meaningfully. The Hospital Management System can be entered using a username and password. It is accessible by an Admin, Doctor & Receptionist. Only they can add data into the database. The data can be retrieved easily. The data is well protected for personal use and makes the data processing very fast.

The Government of India has still aimed at providing medical facilities by establishing hospitals. The basic working of various hospitals in India is still on paper as compared to hospitals in European countries where computers have been put in to assist the hospital personnel in their work.

The concept of automation of the administration and management of hospitals is now being implemented in India also, with large hospitals like APOLLO and AIIMS in Delhi, ESCORTS in Chennai, having automated their existing system. Computers are not only used to increase the efficiency in all fields ranging from fixing the appointment with the Doctor to keeping the record of the Patient.

Introduction

Health of citizens is the wealth of the Nation. India has contributed the most ancient medical science "AYURVEDA" to the world besides other medical sciences. This field had witnessed a rapid metamorphosis in all of its sections. Hospital Management System is designed to improve the quality and management of hospitals in the areas of clinical process analysis and activity-based costing. Hospital Management System enables you to develop your organization and improve its effectiveness and quality of work. Managing the key processes efficiently is critical to the success of the hospital and helps you manage your process.

The Hospital Management System can be entered using a username and password. It is accessible by an Admin, Doctor & Receptionist. Only they can add data into the database. The data can be retrieved easily. The data is well protected for personal use and makes the data processing very fast. The Hospital Management System is powerful, flexible, and easy to use and is designed and developed to deliver real conceivable benefits to hospitals.

The project Hospital Management system includes registration of patients, storing their details into the system by using a database. The software has the facility to give a unique id for every patient and stores the details of every patient and the staff manually. Admin can view the availability of a doctor and the details of a patient using the name, id.

 Hospital Management System is designed for multi specialist hospitals, to cover a wide range of hospital administration and management processes. It also aims at providing low-cost reliable automation of the existing systems. The system also provides excellent security of data at every level of user-system interaction and also provides robust & reliable storage facilities.

Chapter 3
Objective

The main objective of the Hospital Management system is to manage details of hospital, doctor, employee, test, medicine. The project is totally built at the administrative end and thus only the administrator is guaranteed the access.

The purpose of the project is to build an application program to reduce manual work by simplifying the workflow and eliminating long data entry and data organisation.

This can greatly enhance the experience of both patients and the hospital administration.

FEAUTURES:

1. Add information
2. View information
3. Search
4. Edit information
5. Delete information
6. Staff information
7. Expense calculation

Chapter 4
System Requirement Specifications

SOFTWARE REQUIREMENTS:
Language used: C
Operating System: Windows 7 and above
Compiler: GCC C Compiler
Other Requirements: An IDE like VS Code (Optional)

HARDWARE REQUIREMENTS:
Hard Disk: 256 GB (Minimum), 1TB (Recommended)
Processor: i3/Ryzen 3 (Minimum), i5/Ryzen 5 or above (Recommended)